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Micro-needling pulsed radiofrequency as an adjuvant to lasers for exogenous ochronosis

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The prolonged use of the over-the-counter whitening agent, e.g. hydroquinone, could lead to blue-black discoloration of the skin, also known as ochronosis. Other causes include use of phenol, quinine injection, resorcinol application and oral antimalarial. The pathophysiology of this cutaneous condition is unknown and treatment for exogenous ochronosis can be challenging. Combination of microneedle pulsed radiofrequency on top of Q-switched Nd:YAG laser followed by Copper-Bromide laser therapy seems to be an effective modality to treat patients with External Ochronosis (EO). We reported 2 cases of EO resulting from prolonged use of hydroquinone showing satisfying results with the above treatment. We propose that using the above combination as an effective and safe treatment for future exogenous ochronosis cases to come.

Biography

Yeow Hui Qian has obtained her Medical degree in Volgograd State Medical University, Russia. She has completed her training in Hospital Sultan Abdul Halim, Kedah before becoming a Medical Officer in Surgery and Psychiatry Department. Prior to joining Clique Clinic, she secured a postgraduate Master of Science degree (MSc) in Medical Aesthetics, Anti-aging and Regenerative Medicine at UCSI University. With her creditable interpersonal skills, she is good at connecting with patients to understand their needs and delivering her best advice and treatments to her patients. Her interests include laser medicine, facial and body aesthetics.

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